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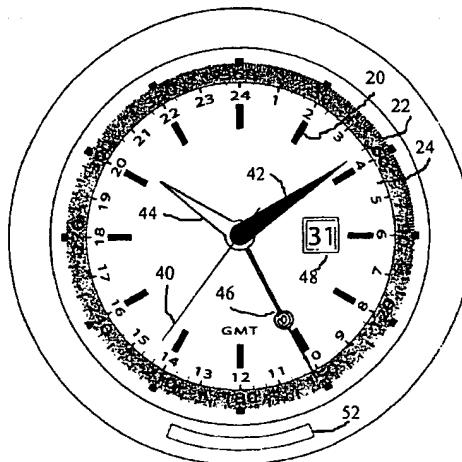
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(54) Title: WORLD CLOCK



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(57) Abstract: A clockwork comprises at least one first pointer (40, 42, 44) and a second pointer (46) and is designed for indicating a local time by means of a circular pointer movement over a dial, and further comprises a drive mechanism coupled to the pointers. In particular, a pointer arrangement is present comprising said at least one first pointer (42) and indicating local time with a slowest-pointer period of revolution of twelve hours and one or several further pointers (40, 44) coupled thereto and having shorter periods of revolution, such as minute and/or second hands. Furthermore, the second pointer (46) indicates a world time with a period of revolution of twenty-four hours, cooperating with a scale (22) of which the number of graduations preferably denoted "turnes", is a multiple of 24. In a preferred embodiment, the second pointer (46) cooperates with a scale (22) comprising 360 degrees or graduations. The clockwork may be constructed as a watch, but it may alternatively be used to advantage elsewhere, for example on monitor screens of PCs and mobile telephones.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CH 14 641 A (BONE PIERRE) 15 January 1898 (1898-01-15) the whole document	1-6
A	-----	7
A	GB 846 436 A (BATORI COMP COMPANY INC; NARDIN ULYSSE SA) 31 August 1960 (1960-08-31) page 1, line 40 - line 47 figures	1
A	DE 19 05 047 A (PFORZHEIMER UHREN ROHWERKE) 6 August 1970 (1970-08-06) the whole document	1
A	US 2 268 239 A (BRAATEN ARTHUR M) 30 December 1941 (1941-12-30) page 3, line 19 - line 53 figures	1

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Patent family members are listed in annex.

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
CH 14641	A	15-01-1898	NONE			
GB 846436	A	31-08-1960	NONE			
DE 1905047	A	06-08-1970	DE FR	1905047 A1 2030236 A5	06-08-1970 13-11-1970	
US 2268239	A	30-12-1941	NONE			